

Converting Colors

CIELCh(75, 72.518, 70.148)

Have a look what the booklet for
CIELCh(75, 72.518, 70.148) contains.

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Color

CIELCh(75, 72.513, 70.003)

Conversions

Conversions Part 1

Format	Color
Hex	FFA533
RGB	255, 165, 51
RGB Percent	100%, 65%, 20%
CMY	0.0010, 0.3538, 0.8009
CMYK	0.00, 0.35, 0.80, 0.00
HSL	34°, 100%, 60%
HSV	34°, 80%, 100%
XYZ	55.1515, 48.2781, 9.5160
YIQ	178.9140, 90.2340, -16.3740

Conversions

Conversions Part 2

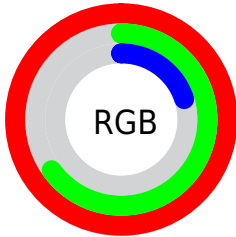
Format	Color
R_{YB}	212, 255, 51
Decimal	16753971
CIE _{Lab}	75.00, 24.80, 68.14
CIE _{LCh}	75, 72.513, 70.003
Yxy	48.2781, 0.4883, 0.4274
Android (android.graphics.Color)	4294944051 (0xFFFFA533)
YUV	178.9140, -63.0616, 66.7274
Hunter-Lab	69.4824, 20.0897, 40.5176

Details

The CIELCh color **75, 72.513, 70.003** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **59, 65.463, 281.786**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 59.407, 90.858**, and **55, 67.338, 67.945** is the 20% darker color. If you saturate the color by 10%, you get **72, 79.370, 67.765**, and if you desaturate by 10%, it is **78, 63.860, 71.792**.

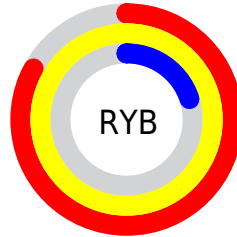
Distribution



Red (100%)

Green (65%)

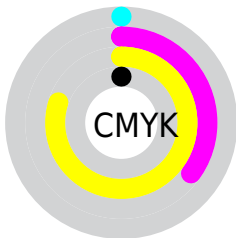
Blue (20%)



Red (83%)

Yellow (100%)

Blue (20%)

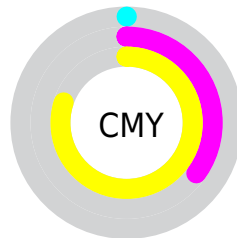


Cyan (0%)

Magenta (35%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 72.513, 70.003 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 75, 72.513, 70.003 by changing the saturation by 10% instead.

75, 72.513, 70.003

75, 72.513, 70.003

100, 72.513,
70.003

65, 72.513, 70.003

95, 72.513, 70.003

55, 72.513, 70.003

45, 72.513, 70.003

35, 72.513, 70.003

25, 72.513, 70.003

15, 72.513, 70.003

5, 72.513, 70.003

0, 72.513, 70.003

75, 72.513, 70.003

75, 72.513, 70.003

72, 79.370, 67.765

78, 63.860, 71.792

70, 83.672, 64.891

81, 54.411, 73.352

84, 44.766, 74.808

87, 35.237, 76.209

90, 25.966, 77.577

93, 17.008, 78.912

97, 8.374, 80.199

100, 0.050, 73.809

100, 0.091,
206.728

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75, 72.513, 70.003



59, 65.463, 281.786

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 72.513, 70.003



75, 72.513, 120.003



75, 72.513, 250.003



75, 72.513, 300.003

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75, 72.512, 70.006



92, 20.505, 78.392



58, 78.888, 359.503



48, 14.181, 77.915



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75, 72.512, 70.006



71, 82.191, 66.086



96, 90.065, 106.047



51, 4.725, 80.270



54, 67.300, 65.571



17, 27.125, 67.761

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



59, 65.463, 281.786



52, 79.204, 288.557



39, 117.518, 304.507



50, 4.661, 262.860



38, 65.436, 289.440



11, 26.387, 283.372

Previews

White Background



This preview shows how the CIELCh color 75, 72.513, 70.003 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 75, 72.513, 70.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 72.513, 70.003

Background



This preview shows how black text looks on a background with the CIELCh color 75, 72.513, 70.003.



This preview shows how white text looks on a background with the CIELCh color 75, 72.513, 70.003.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75, 72.513, 70.003

Protanopia

75, 64.715, 95.297

Deuteranopia

75, 69.656, 82.099



Tritanopia
75, 39.045, 15.454

Trichromacy



Original Color
75, 72.513, 70.003

Protanomaly
75, 65.745, 85.692

Deuteranomaly
75, 70.235, 77.532

Tritanomaly
75, 45.791, 46.120

Monochromacy



Original Color
75, 72.513, 70.003

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 26.732, 76.893

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 72.513, 70.003 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 165, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 51)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 165, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 72.513, 70.003 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 165, 51) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 165, 51) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 165, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 72.513, 70.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 51) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
165, 51) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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